

Casey Harris

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Education

M.S. Ecology University of Georgia, Athens, GA	May 2014
B.S. Botany University of Wisconsin, Madison, WI	Dec. 2009

Experience

Research Professional II	May 2015–Present
Research Assistant Vellidis Research Group, Crop and Soil Science Dept., University of Georgia, Tifton, GA	May–Aug. 2012 and May 2013–2014
<ul style="list-style-type: none">• Field sampling procedures, laboratory analyses (biosafety level 2), statistical analyses• Watershed/landcover mapping and spatial analyses using GIS software• On-farm wildlife assessments and irrigation system sampling• Thesis: <i>Salmonella enterica</i> and <i>Escherichia coli</i> in storm runoff and farm irrigation water sources	
Lead Teaching Assistant	Aug. 2012–April 2013
Teaching Assistant Odum School of Ecology, University of Georgia, Athens, GA	Aug. 2011–April 2012
<ul style="list-style-type: none">• Ecology 1000, “The Ecological Basis of Environmental Issues”• Instructed approx. four other graduate assistants and 45 undergraduate students per semester• Prepared teaching materials, laboratory equipment, and field study arrangements	
Terrestrial Monitoring Intern Southeast Coast Network Inventory and Monitoring Program, U.S. National Park Service, St. Marys, GA	Feb. 2010–Feb. 2011
<ul style="list-style-type: none">• Conducted reptile/amphibian surveys and vegetation surveys in southeastern national parks• Developed reference materials and used recording devices and software to analyze frog/bird call data	
Riparian Vegetation Survey Technician PACFISH/INFISH Biological Opinion Effectiveness Monitoring, U.S. Forest Service, St. Regis, MT	May–Sep. 2009 and May–Aug. 2011
<ul style="list-style-type: none">• Assessed stream habitats throughout the northwest, traveling extensively and working in small teams• Identified, quantified, and collected specimens of plant species• Assisted stream survey technicians with stream gradient and stream morphology measurements	
Laboratory assistant Givnish Lab, Dept. of Botany, University of Wisconsin, Madison, WI	Sep. 2007–April 2009
<ul style="list-style-type: none">• Assisted with studies of shade tolerance and water stress	
National Science Foundation Research Experience for Undergraduates (REU) Great Lakes Water Institute, University of Wisconsin, Milwaukee, WI	June–Aug. 2007
<ul style="list-style-type: none">• Algal community composition under different nutrient regimes and light conditions	

Awards

Odum School of Ecology Small Grant	2013
ABC Research Laboratories Travel Grant, Center for Produce Safety Symposium	2013
University of Georgia Scholars of Excellence Full Assistantship	Aug. 2011–April 2013

Certifications

Hazard Analysis and Critical Control Points (HACCP) Certified, UGA Food Science Dept.	June 2013
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Presentations

UNC Water Microbiology Conference (oral presentation) “Salmonella in storm-driven surface runoff in vegetable farm landscapes in southern Georgia”	May 2014
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Other skills and activities

Very proficient with Microsoft Excel, QGIS and ArcGIS mapping and spatial analysis software	
Georgia Young Scholars Program Mentor	2013, 2014